



United States
Department of
Agriculture

SOIL
CONSERVATION
SERVICE

Casper,
Wyoming



Water Supply Outlook For Wyoming



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: "Spring is on the Way"

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | Suite 129, Professional Bldg., 2221 E. Northern Lights Blvd., Anchorage, AK 99504 |
| Arizona | 3008 Federal Bldg., 230 N. 1st Ave., Phoenix, AZ 85025 |
| Colorado (N. Mex.) | 2490 West 26th Ave., Diamond Hill, Bldg. A, Denver, CO 80211 |
| Idaho | Room 345, 304 N. 8th Street, Boise, ID 83702 |
| Montana | Federal Bldg., Room 443, 10 East Babcock, Bozeman, MT 59715 |
| Nevada | U.S. Post Office Bldg., 50 S. Virginia St., P.O. Box 4850, Reno, NV 89505 |
| Oregon | Federal Bldg., 16th Floor, 1220 S.W. 3rd Ave., Portland, OR 97204 |
| Utah | Room 4012, 125 So. State Street, Salt Lake City, UT 84138 |
| Washington | 360 U.S. Courthouse, West 920 Riverside Ave., Spokane, WA 99201 |
| Wyoming | Room 3124, 100 East B Street, Casper, WY 82601 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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Chief
Soil Conservation Service
Washington, D.C.

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PORTLAND, OR
NATIONAL WEATHER SERVICE

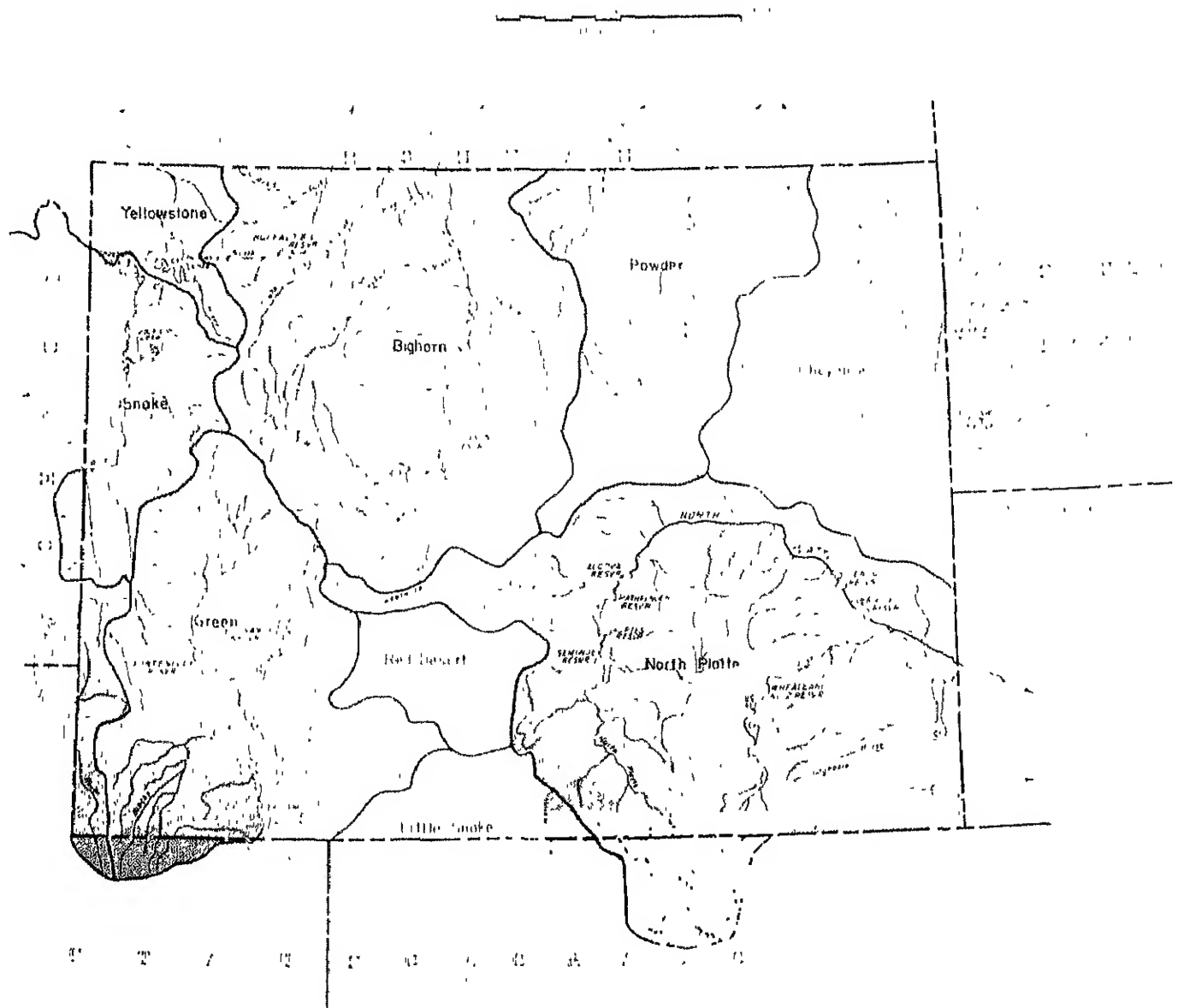
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Report prepared by

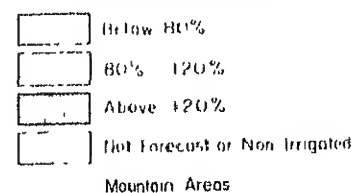
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PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD



FORECAST STREAM FLOW In Percent of Average



WYOMING SUMMARY

as of

FEBRUARY 1, 1984

* * * * *

* Well above average snowpacks of southern Wyoming diminish across the
* state to the north to amounts below average for February 1st. The outlook
* for spring and summer runoff follows the same pattern.
*

* * * * *

SNOWPACK

Heavy November and December storms established above average snowpack over most of Wyoming early this winter. January, however, has been very dry reducing January 1st snowpack comparisons to average by 10 to 60 percent for February 1st. A statewide average of 48 snow courses reports Wyoming snowpack at 3% below normal.

...continued next page



Wind-blown snowpack, LaPrele Creek drainage

Snowpacks of 36% above normal in the Upper North Platte are the highest. Southwestern Wyoming snowpacks are also above normal while the rest of the state is near to below average. Upper Yellowstone and Clark's Fork snowpacks are lowest at nearly 40% below normal.

STREAMFLOW FORECASTS

The outlook for spring and summer streamflow ranges from 46 percent above normal on the Bear River to 20-30 percent above for the North Platte to 16 percent below normal for the Clark's Fork drainage. Only above average snowfalls and spring rains can prevent below normal streamflows in northern Wyoming this year.

PRECIPITATION

Low January precipitation totals brought some relief to the much above average seasonal totals. Largest amounts (1½ inch or less) were received in the Snake and Tongue drainages. Southwestern Wyoming is very dry, having received only traces to 75% of normal.

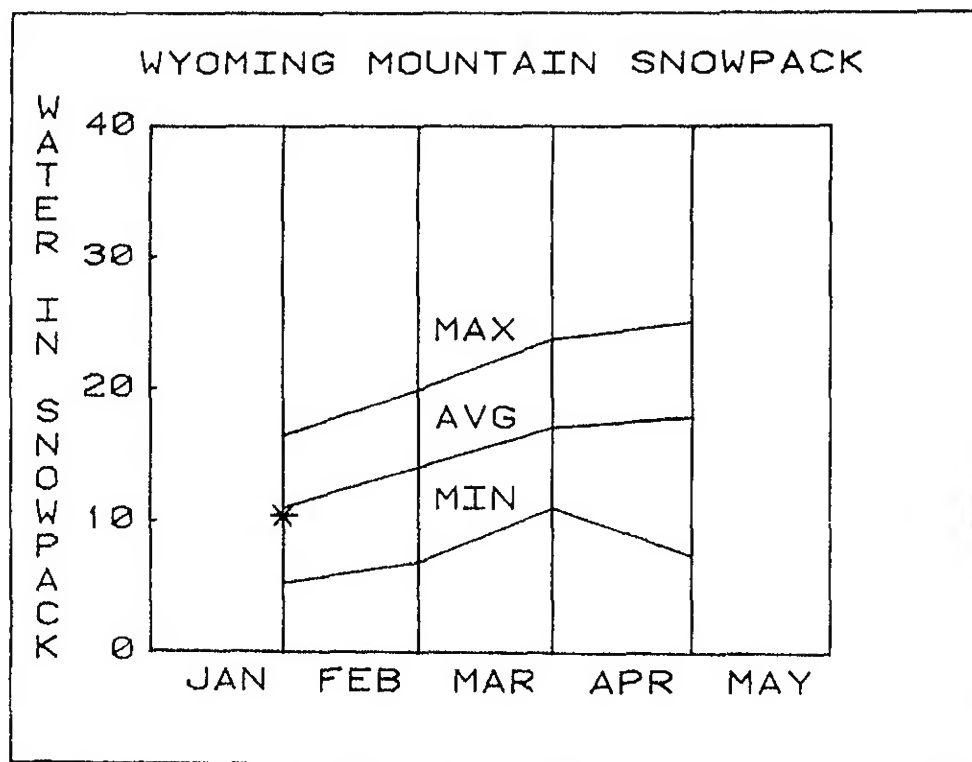
Seasonal totals through the end of December were as high as three times normal. Although light January increases have reduced the previous highs the seasonal averages still remain well above normal.

RESERVOIR STORAGE

Stored water in Wyoming reservoirs ranges from about one-half usual February 1st amounts for the Big Horn to 70 and 74 percent above usual volumes at Pathfinder and Seminoe respectively.

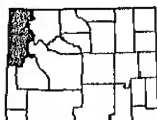
Reservoirs in the Cheyenne-Belle Fourche drainage are generally below average.

Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.



WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1984



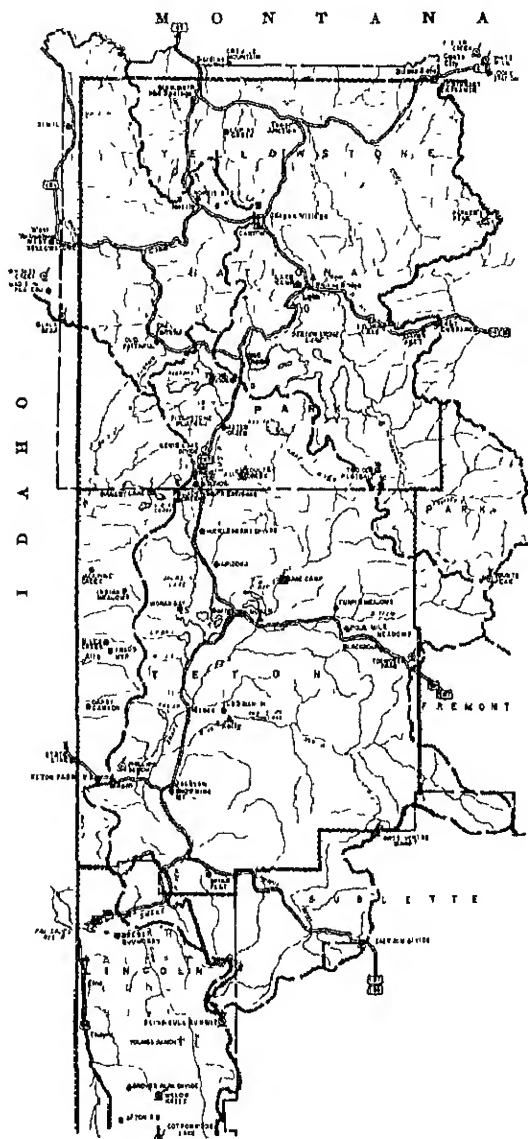
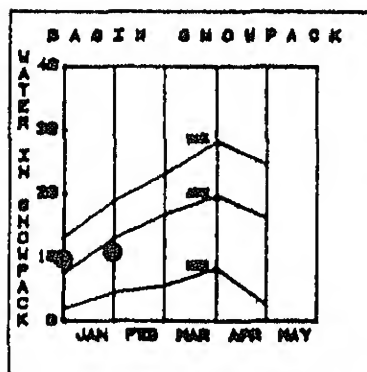
LOCATION MAP



LEGEND

- SNOWTEL line - Data transmitted by telemetry
- Snow Gauge
- Snow Sensor
- † Reservoir (AL)
- Storage Reservoir Gauge (R)
- ▲ Snow Gauging Station
- Dam/Levee
- Highway
- Conservation District Boundary
- Watershed Boundary

0 5 10 15 20 MILES
SCALE 1:150,000



YOUR WATER SUPPLY

Lack of typical snowfalls during January has greatly slowed snowpack accumulations. Percentage of average snowpack on January 1st of 96% for the Upper Yellowstone and 124% for the Upper Snake have deteriorated to 64% and 86% respectively. Streamflows are all forecasted at near to below normal. Reservoir storage is good.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

| BASIN STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| Yellowstone River at Yellowstone Lake Outlet | 718 | 87 | April-Sept. | 1105 | 826 |
| Yellowstone River at Corwin Springs, MT | 1800 | 89 | April-Sept. | 2497 | 2027 |
| SNAKE River Near Moran (1) | 820 | 93 | April-Sept. | 1191 | 885 |
| SNAKE River above Palisades near Alpine (1) | 2482 | 92 | April-Sept. | 3725 | 2709 |
| SNAKE River at Heise, ID (2) | 3780 | 94 | April-Sept. | 4946 | 4066 |
| Pacific Creek at Moran | 160 | 92 | April-Sept. | 336 | 174 |
| Greys River above Palisades | 376 | 95 | April-Sept. | 516 | 394 |
| Salt River above Palisades near Etna | 420 | 106 | April-Sept. | 606 | 394 |
| Palisades Reservoir Inflow (1) | 3525 | 93 | April-Sept. | 5506 | 3798 |
| Swift Creek near Afton | 51 | 108 | May-Sept. | - | 45 |

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Madison (WY. only) | 4 | 87 | 69 |
| Yellowstone | 8 | 79 | 64 |
| SNAKE abv. Jackson Lake | 9 | 90 | 86 |
| Pacific Creek | 2 | 101 | 99 |
| Gros Ventre | 3 | 102 | 91 |
| Hohack River | 7 | 112 | 91 |
| Greys River | 4 | 114 | 90 |
| Salt River | 5 | 129 | 108 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|--------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Grassy Lake | 15.1 | 13.9 | 12.3 | 10.4 |
| Jackson Lake | 624.4 | 489.9 | 497.8 | 612.5 |
| Palisades | 1200.0 | 966.4 | 1092.2 | 907.8 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|------|
| | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr | Ave† |
| Afton R.S. | 1/31 | 22 | 4.5 | 2.6 | 3.4 |
| Arizona | 1/30 | 42 | 11.8 | 14.1 | 13.3 |
| Aster Creek | 1/30 | 49 | 15.5 | 18.5 | 20.9 |
| Base Camp | 1/31 | 38 | 11.0 | 12.4 | 14.7 |
| Base Camp SNOTEL | 2/01 | - | 10.3 | 10.8 | - |
| Blackrock | 1/31 | 50 | 15.0 | 14.3 | 14.9 |
| Blind Bull Summit Aerial | 1/31 | 50 | 16.0 | 13.0 | 19.2 |
| Blind Bull SNOTEL | 2/01 | - | 16.3 | 17.1 | - |
| Rydon Flat | 1/26 | 26 | 6.3 | 4.1 | 6.7 |
| Canyon SNOTEL | 1/29 | 31 | 7.2 | 7.9 | 11.2 |
| Cottonwood Lake Aerial | 1/31 | 44 | 12.3 | 14.3 | 12.4 |
| Cottonwood Lake SNOTEL | 2/01 | - | 15.5 | 17.7 | - |
| Coulter Creek | 1/30 | 46 | 13.8 | 14.0 | 13.8 |
| Coulter Creek SNOTEL | - | Not Measured | - | - | - |
| East Entrance | 1/30 | 22 | 5.2 | 6.9 | 7.7 |
| East Rim Divide | 1/30 | 28 | 7.2 | 5.6 | 9.5 |
| Four Mile Meadows | 1/31 | 32 | 8.1 | 7.5 | 9.4 |
| Glade Creek | 1/30 | 49 | 15.4 | 16.1 | 15.9 |
| Grassy Lake | 1/30 | 67 | 22.0 | 22.9 | 24.2 |
| Grassy Lake SNOTEL | 2/01 | - | 21.8 | 21.8 | - |
| Greys Boundary | 1/31 | 36 | 10.2 | 7.0 | 8.1 |
| Gros Ventre Summit | 1/31 | 33 | 8.0 | 8.0 | 8.6 |
| Grover Park Divide | 1/31 | 35 | 10.4 | 6.0 | 8.6 |
| Huckleberry Divide | 1/30 | 45 | 13.0 | 14.3 | 15.0 |

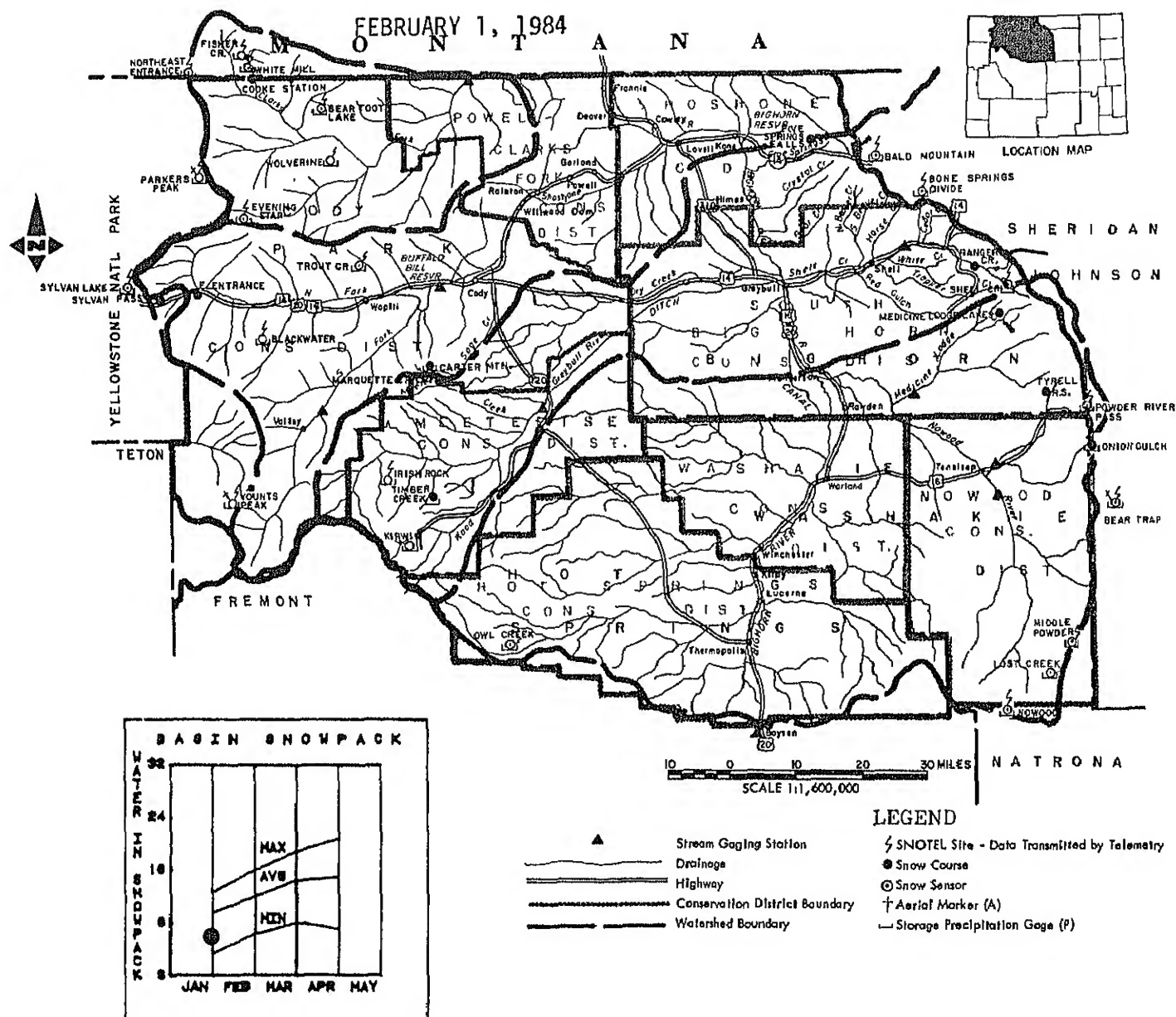
SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|------|
| | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr | Ave† |
| Lake Camp | 1/28 | 24 | 3.6 | 5.1 | 6.4 |
| Lewis Lake Divide | 1/30 | 69 | 23.8 | 26.6 | 28.4 |
| Lewis Lake Divide SNOTEL | 2/01 | - | 19.9 | - | - |
| Lupine Creek | 2/02 | 21 | 4.8 | 5.5 | 7.7 |
| Moran | 1/31 | 33 | 8.9 | 7.4 | 5.4 |
| Norris Basin (Old) | 1/29 | 25 | 5.2 | 6.1 | 8.1 |
| Northeast Entrance | 1/31 | 21 | 4.4 | 6.4 | 7.2 |
| Old Faithful | 1/31 | 26 | 4.9 | 10.0 | 10.1 |
| Parkers Peak SNOTEL | - | Not Measured | - | - | - |
| Phillips Bench | 1/26 | 59 | 17.7 | 17.8 | 19.6 |
| Phillips Bench SNOTEL | 2/01 | - | 15.2 | 16.6 | - |
| Pitchstone Aerial | - | Not Measured | - | - | - |
| SNAKE River Station | 1/30 | 43 | 13.0 | 13.9 | 14.6 |
| Snow King Mountain | 1/27 | 37 | 9.2 | 9.1 | 10.7 |
| Sylvan Lake SNOTEL | 2/01 | - | 13.5 | 14.3 | - |
| Sylvan Pass | 1/30 | 26 | 6.2 | 8.6 | 9.7 |
| Teton Pass W.S. | 1/27 | 59 | 19.1 | 17.0 | 17.7 |
| Thumb Divide | 1/30 | 35 | 9.6 | 12.2 | 14.6 |
| Togwotee Pass | 1/31 | 58 | 18.8 | 18.1 | 20.2 |
| Togwotee Pass SNOTEL | 2/01 | - | 15.4 | 15.4 | - |
| Turpin Meadows | 1/31 | 26 | 6.8 | 6.3 | 8.0 |
| Two Ocean Plateau SNOTEL | 2/01 | - | 16.0 | - | 19.5 |
| Younts Ranch Aerial | 1/31 | 33 | 9.6 | 10.3 | 12.6 |
| Younts Peak SNOTEL | - | - | - | - | - |

† Snow Data Period of Average 1961-80 (20 years).

- Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIG HORN BASIN IN WYOMING



YOUR WATER SUPPLY

Snowpacks are below normal, to poor - 87 to 60 percent of average. With average precipitation/snow from now on below normal streamflows are expected this spring and summer. Reservoirs are above normal except for the Big Horn which is about one-half the usual February 1st volume.

BIGHORN BASIN

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|---|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| Wind River below Boysen (1) | 1,163 | 100 | April-Sept. | - | 1163 |
| Tensleep Creek near Ten Sleep | 70 | - | April-Sept. | - | - |
| Medicine Lodge Creek near Hyattville | 185 | - | April-Sept. | - | - |
| Shell Creek near Shell | 72 | 90 | April-Sept. | - | 78 |
| Greybull River at Meeteetse | 194 | 90 | April-Sept. | - | 215 |
| Shoshone River below Buffalo Bill Dam (2) | 725 | 86 | April-Sept. | 578.1 | 845 |
| Clarks Fork near Belfry | 525 | 84 | April-Sept. | - | 628 |
| South Fork Shoshone River near Valley | 250 | 90 | April-Sept. | 264.9 | 278 |
| Nowood River near Ten Sleep | 66 | 93 | March-Sept. | 90.1 | 71* |

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Clarks Fork | 2 | 68 | 60 |
| Shoshone | 4 | 81 | 71 |
| Nowood | 5 | 79 | 76 |
| Shell | 4 | 86 | 87 |
| Greybull | - | - | - |
| Bighorn Basin | 14 | 83 | 79 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|--------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Boysen | 549.9 | 361.2 | 347.0 | 348.0 |
| Buffalo Bill | 373.1 | 272.1 | 299.9 | 188.6 |
| Bighorn | 613.7 | 377.3 | 463.2 | 792.5 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|-------|
| | | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr | Ave.† |
| Bald Mountain | 1/30 | 51 | 13.7 | 14.9 | 15.0 |
| Bald Mountain SNOTEL | 2/01 | - | 12.9 | 13.5 | - |
| Bear Tooth Lake SNOTEL | 2/01 | - | 10.8 | 13.4 | - |
| Bear Trap Aerial | 1/30 | 37 | 8.9 | 6.4 | 6.6 |
| Beartrap Meadows SNOTEL | 2/01 | - | 4.4 | 4.8 | - |
| Blackwater SNOTEL | 2/01 | - | 15.3 | - | - |
| Bone Spring Divide | 1/30 | 48 | 11.8 | 12.8 | 12.4 |
| Bone Springs SNOTEL | 2/01 | - | 10.2 | 8.6 | - |
| Carter Mountain | 1/01 | - | 4.0 | 2.6 | 3.4 |
| Cooke Station MT | - | Not Avail | able | - | - |
| East Entrance | 1/30 | 22 | 5.2 | 6.9 | 7.7 |
| Evening Star SNOTEL | 2/01 | - | 16.4 | 9.9 | - |
| Fisher Creek MT | - | Not Avail | able | - | - |
| Five Springs Falls | - | Not Avail | able | - | - |
| Irish Rock SNOTEL | 2/01 | - | 5.9 | 6.4 | - |
| Kirwin SNOTEL | - | Not Avail | able | - | - |
| Lost Creek SNOTEL | 2/01 | - | 8.9 | 11.5 | - |
| Marquette Creek | 1/29 | 24 | 6.0 | 6.0 | 5.4 |
| Marquette SNOTEL | 2/01 | - | 6.1 | 7.1 | - |
| Medicine Lodge Lakes | 1/30 | 29 | 5.9 | 8.8 | 8.2 |
| Middle Powder | 1/29 | 28 | 6.2 | 7.5 | 6.8 |
| Middle Powder SNOTEL | 2/01 | - | 7.6 | 8.1 | - |
| Northeast Entrance MT | 1/31 | 21 | 4.4 | 6.4 | 7.2 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|-------|
| | | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr | Ave.† |
| Nowood Creek SNOTEL | 2/01 | - | 26.6 | - | - |
| Onion Gulch | 1/30 | 23 | 4.6 | 5.1 | 6.4 |
| Owl Creek | 1/30 | 15 | 3.6 | 2.6 | 3.4 |
| Owl Creek SNOTEL | 2/01 | - | 2.9 | 3.6 | - |
| Parkers Peak Aerial | - | - | - | - | - |
| Parkers Peak SNOTEL | - | - | - | - | - |
| Powder River Pass | 1/30 | 28 | 5.5 | 7.0 | 8.2 |
| Powder River SNOTEL | 2/01 | - | 5.6 | 7.3 | - |
| Ranger Creek | 1/30 | 23 | 4.8 | 6.7 | 7.1 |
| Shell Creek | 1/30 | 35 | 8.4 | 10.4 | 10.2 |
| Shell Creek SNOTEL | 2/01 | - | 9.2 | 10.6 | - |
| Sylvan Lake SNOTEL | 2/01 | - | 13.5 | 14.3 | - |
| Sylvan Pass | 1/30 | 26 | 6.2 | 8.6 | 9.7 |
| Timber Creek | 1/29 | 16 | 3.5 | 1.4 | 2.3 |
| Trout Creek SNOTEL | 2/01 | - | 3.2 | 3.6 | - |
| Tyrell Ranger Station | 1/30 | 24 | 4.9 | 6.0 | 6.0 |
| White Mill MT | - | Not Avail | able | - | - |
| Wolverine | 1/29 | 26 | 5.7 | 8.4 | 9.7 |
| Wolverine SNOTEL | 2/01 | - | 5.6 | 7.6 | - |
| Younts Peak Aerial | - | DISCONTINUED | - | - | - |
| Younts Peak SNOTEL | N.R. | - | - | - | 12.9 |

+ Period of Average 1961-1980 (20 years).

* Less than 20 Year Average.

LEGEND

- SNOTEL Site - Data Transmitted by Telemetry
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed boundary

BASIN SNOWPACK

| Month | Max | Avg | Min |
|-------|-----|-----|-----|
| JAN | 10 | 8 | 6 |
| FEB | 12 | 10 | 8 |
| MAR | 14 | 12 | 10 |
| APR | 16 | 14 | 12 |
| MAY | 18 | 15 | 13 |

The outlook for spring and summer runoff is just below average (90-96%). Snowpacks have received little increase during January and are all below normal.

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

| BASIN STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|---------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| Tongue River near Dayton (1) | 118 | 96 | April-Sept. | - | 123 |
| Middle Fork Powder River near Barnum | 19 | 90 | April-Sept. | 26.6 | 21 |
| North Fork Powder River near Hazelton | 9.8 | 92 | April-Sept. | 10.8 | 10.6 |
| Clear Creek near Buffalo | 36 | 91 | April-Sept. | 43.9 | 40 |
| Pack Creek near Buffalo | 24 | 96 | April-Sept. | | 25 |
| Piney Creek at Yearny | 50 | 90 | April-Sept. | | 55 |
| Little Bighorn at Hardin, MT | 173 | 95 | April-Sept. | - | 182 |

(1) Observed flow plus diversion to Highline Ditch.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(1) Comparison with 1961-1980 (20 years)

| STATION NAME and/or SNOW COURSE | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|---------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Tongue River | 5 | 88 | 86 |
| Clear Creek | 2 | 97 | 90 |
| North Fork Powder | 2 | 85 | 79 |
| Clear Creek | 2 | 87 | 77 |
| Little Bighorn | 1 | 93 | 93 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-----------------------|-----------------|----------------|-----------|---------|
| | | This Year | Last Year | Average |
| - No Reservoir Data - | | | | |

SNOW

| STATION NAME and/or SNOW COURSE | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | THIS YEAR | | PAST REC | |
|---------------------------------|----------------|------------------|-------------------|--------------|-------|----------|-------|
| | | | | Last Yr | Ave.† | Last Yr | Ave.† |
| Tongue Mountain | 1/20 | 51 | 13.7 | 14.9 | 15.0 | | |
| Tongue Mountain SNOTEL | 2/01 | - | 12.9 | 13.5 | - | | |
| Rocky Gap Aerial | 1/30 | 77 | 8.9 | 6.4 | 6.6 | | |
| Rocky Gap SNOTEL | 2/01 | - | 4.4 | 4.8 | - | | |
| Five Springs | 1/25 | 25 | 5.4 | 3.8 | 4.7 | | |
| Five Springs Divide | 1/20 | 48 | 11.8 | 12.8 | 12.4 | | |
| Five Springs SNOTEL | 2/01 | - | 10.2 | 8.6 | - | | |
| Five Springs Transition | 1/25 | 20 | 4.3 | 4.7 | 5.3 | | |
| Five Springs Junction SNOTEL | 2/01 | - | 5.7 | - | - | | |
| Cloud Peak Aerial | 1/30 | 36 | 7.7 | 9.6 | 6.7 | | |
| Cloud Peak SNOTEL | 2/01 | - | 7.3 | 7.5 | - | | |
| Pine Lake | 1/25 | 26 | 5.2 | 4.8 | 6.3 | | |
| Pine Lake SNOTEL | 2/01 | - | 7.7 | 7.2 | - | | |
| Five Springs Falls | - | - | - | Not Measured | - | | |
| Rocky Pass Aerial | 1/30 | 42 | 10.5 | 10.8 | 10.9 | | |
| Rocky Pass SNOTEL | 2/01 | - | 4.0 | 3.0 | - | | |
| East Creek SNOTEL | 2/01 | - | 8.9 | 11.5 | - | | |
| Middle Powder | 1/29 | 28 | 6.2 | 7.5 | 6.8 | | |
| Middle Powder SNOTEL | 2/01 | - | 7.6 | 8.1 | - | | |
| Mud Creek G. | 1/30 | 13 | 2.4 | 2.2 | 2.8 | | |
| North Tongue | 1/25 | 30 | 6.5 | 9.1 | 8.9 | | |
| North SNOTEL | 2/01 | - | 26.6 | - | - | | |
| Donna Gulch | 1/30 | 23 | 4.6 | 5.1 | 6.4 | | |
| Powder River Pass | 1/30 | 28 | 5.5 | 7.0 | 8.2 | | |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | THIS YEAR | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|--------------|-------|----------|-------|
| | | | | Last Yr | Ave.† | Last Yr | Ave.† |
| Powder River Pass SNOTEL | 2/01 | - | 5.6 | 7.3 | - | | |
| Sawmill Divide | 1/25 | 37 | 8.5 | 9.2 | 10.0 | | |
| Shell Creek | 1/30 | 35 | 8.4 | 10.4 | 10.2 | | |
| Shell Creek SNOTEL | 2/01 | - | 9.2 | 10.6 | - | | |
| Soldier Park | 1/30 | 18 | 3.4 | 3.0 | 4.0 | | |
| Sour Dough | 1/31 | 20 | 3.9 | 4.6 | 4.5 | | |
| Sucker Creek | 1/31 | 35 | 8.1 | 6.7 | 8.0 | | |
| Sucker Creek SNOTEL | - | - | - | Not Measured | - | | |

† Percent of Average 1961-1980 (20 years).

* Less than 20 Year Period.

984

0 10 20 30 40 MILES
SCALE 1:2,500,000

LEGEND

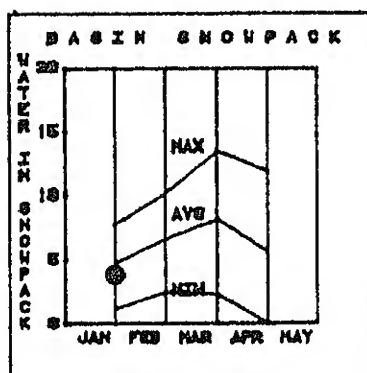
- SNOTEL Site - Data Transmitted by Telemetry
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gauge (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

MONTANA WYOMING

SOUTH DAKOTA NEBRASKA

LOCATION MAP

IN SNOWPACK



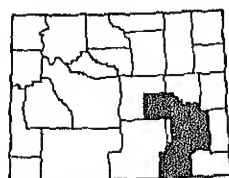
Snowpack in northeastern Wyoming is 20 percent below usual. Streamflows will also be less than normal. Reservoir storage is good with Keyhole the exception, having less than one-half its usual February 1st volume.

STREAMFLOW FORECASTS

+ Period of Average 1961-1980 (20 years)
* Less than 20 Year Period.

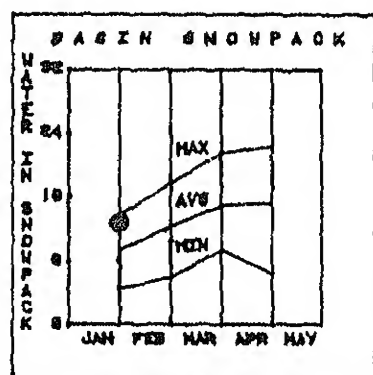
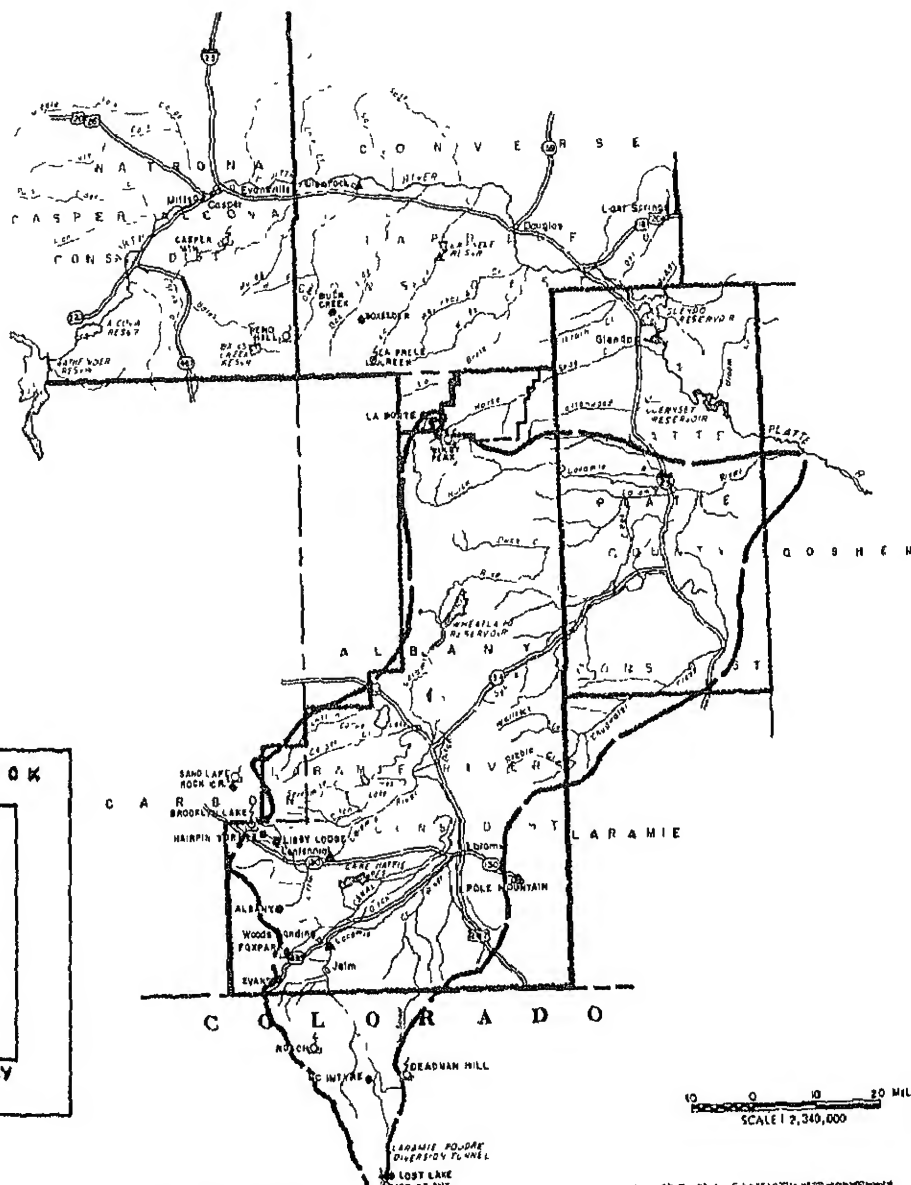
WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1984



LOCATION MAP

- LEGEND**
- SNOTEL Site - Data Transmitted by Telemetry
 - Snow Course
 - Snow Sensor
 - Storage Precipitation Gage (P)
 - Stream Gaging Station
 - Drainage
 - Highway
 - Conservation District Boundary
 - Watershed Boundary



YOUR WATER SUPPLY

12 to 39 percent above average snowpacks prevail in spite of poor January increases. Streamflows are forecast in the 11 to 30 percent above average range. Pathfinder and Seminole reservoirs currently contain 70 and 74%, respectively, above average volumes.

STREAMFLOW FORECASTS

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|--|----------------------------------|---|-----------|
| | | Last Year | Average † |
| Upper Laramie | 7 | 135 | 139 |
| Little Laramie | 4 | 178 | 112 |
| Laramie River (Total) | 11 | 147 | 128 |
| Lower North Platte | 4 | 95 | 121 |
| North Platte above Laramie River | 12 | 128 | 130 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-------------------------|-----------------|----------------|-----------|---------|
| | | This Year | Last Year | Average |
| Seminole | 1017.3 | 786.8 | 626.2 | 451.6 |
| Pathfinder | 1015.5 | 920.9 | 629.6 | 540.8 |
| Alicova | 30.7 | - | 1.8 | - |
| Glendo | 783.7 | 416.7 | 314.2 | 333.1 |
| Guernsey | 45.2 | 1.6 | 7.2 | 7.2 |
| Wheatland #2 | 98.9 | 70.3 | 62.9 | 47.1 |
| PROJECT WATER OWNERSHIP | | | | |
| North Platte Project | 1016.1 | 1090.0 | 792.1 | - |
| Kendrick Project | 1201.6 | 1012.1 | 685.5 | - |
| Glendo Project Users | 454.3 | 51.1 | 143.3 | - |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST YEAR | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (inches) | |
| | | | | Last Yr. | Avg. |
| Albany | 1/25 | 42 | 13.3 | 5.8 | 11.1 |
| Boxelder | 1/31 | 27 | 7.1 | 5.9 | 4.4 |
| Brooklyn Lake | 1/26 | 50 | 14.8 | 9.7 | 14.9 |
| Brooklyn Lake SNOTEL | 2/01 | - | 17.8 | 17.5 | - |
| Buck Creek | 1/31 | 30 | 6.6 | 9.2 | 6.7 |
| Cameron Pass | 1/30 | 64 | 23.8 | 17.1 | 17.7 |
| Casper Mountain | 1/31 | 30 | 7.8 | 11.8 | 9.0 |
| Casper Mountain SNOTEL | 2/01 | - | 8.7 | 12.8 | - |
| Deadman Hill, CO | 1/31 | 40 | 12.6 | 8.2 | 10.5 |
| Evans | | | | | |
| Foxpark | 1/25 | 28 | 8.3 | 3.3 | 4.8 |
| Hairpin Turn | 1/26 | 42 | 13.0 | 8.2 | 11.8 |
| Joe Wright, CO | 1/30 | 64 | 22.2 | 17.0 | 15.2 |
| LaBonte | 1/29 | 26 | 7.6 | 3.8 | 3.9 |
| LaPrele SNOTEL | 2/01 | - | 10.1 | 9.6 | - |
| Libby Lodge | 1/26 | 35 | 10.3 | 5.2 | 8.2 |
| Lost Lake, CO | | | | | |
| McIntyre, CO | | | | | |
| Pole Mountain | 1/25 | 32 | 9.1 | 5.2 | 4.5 |
| Roach | 1/27 | 56 | 16.0 | 9.2 | 12.0 |
| Rock Creek | 1/28 | 64 | 23.1 | 20.2 | 16.6 |
| Sand Lake SNOTEL | 2/01 | - | 24.3 | - | - |
| Windy Peak SNOTEL | 2/01 | - | 6.3 | 4.3 | - |

SNOW

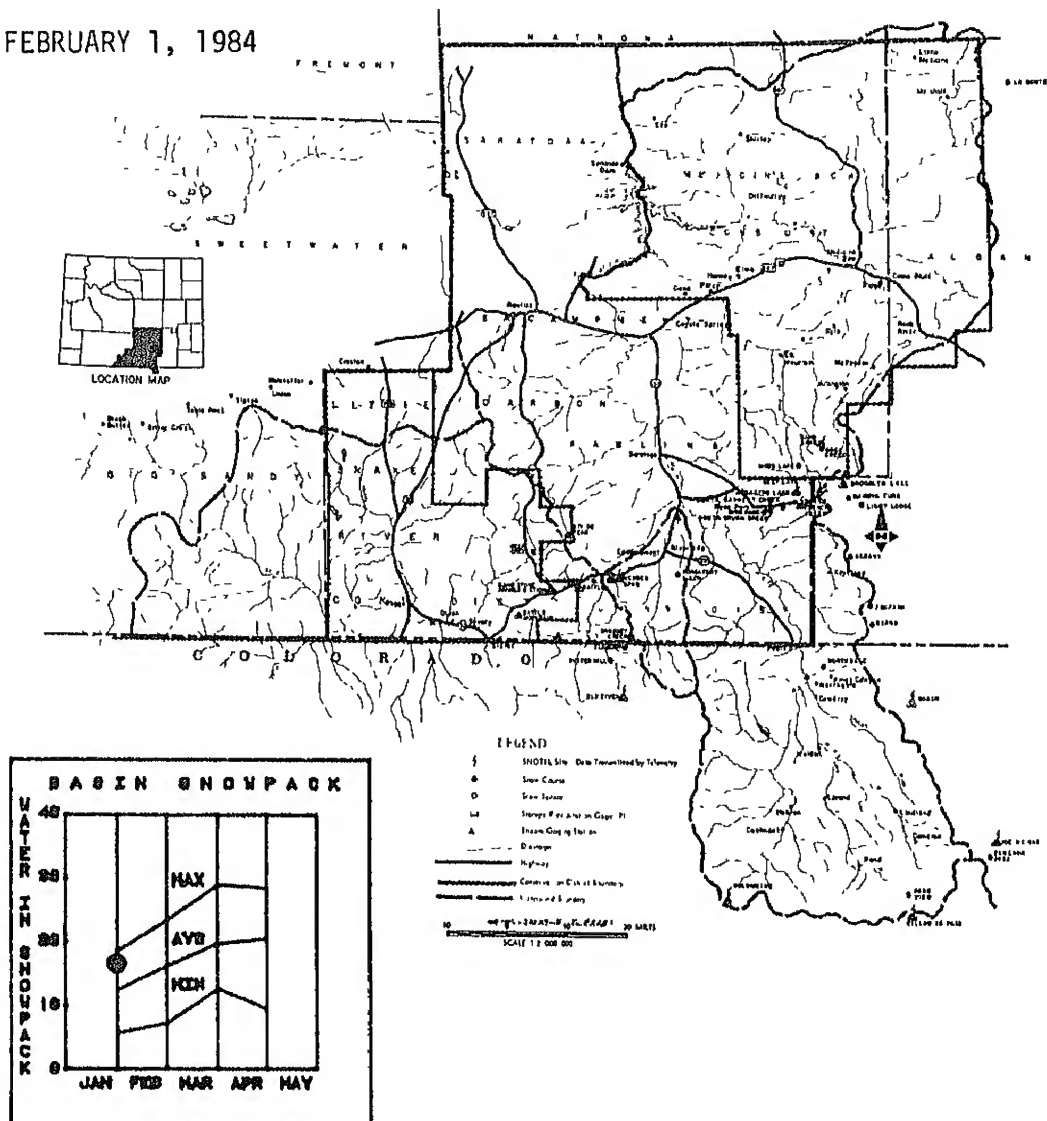
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+ Period of Average 1961-1980 (20 years).

* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

FEBRUARY 1, 1984



YOUR WATER SUPPLY

Prospects for streamflow this summer are excellent with snowpacks as high as 52% above normal (Brush Creek), good soil moisture, and much above average reservoir storage at Seminoe (74% above average).

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| North Platte River near Northgate | 320 | 122 | April-Sept. | 512.3 | 262 |
| North Platte River near Sinclair | 873 | 123 | April-Sept. | 1,299.2 | 710 |
| Encampment River near Encampment | 194 | 124 | April-Sept. | 217.0 | 156 |
| Rock Creek near Arlington | 65 | 112 | April-Sept. | 86.9 | 58 |
| Little Snake near Dixon (1) | 408 | 127 | April-Sept. | - | 320 |
| Little Snake near Slater, Colo. (1) | 207 | 131 | April-Sept. | - | 158 |

(1) Observed flow plus transbasin diversion.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Upper North Platte | 14 | 155 | 136 |
| Encampment | 3 | 145 | 118 |
| Brush Creek | 3 | 145 | 152 |
| Medicine Bow and Rock Creeks | 4 | 119 | 119 |
| North Platte above Laramie River | 12 | 128 | 130 |
| Little Snake River | 2 | 147 | 124 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-----------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Seminole | 1017.3 | 786.8 | 626.2 | 451.6 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|------|
| | | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr. | Ave† |
| Albany | 1/25 | 42 | 13.3 | 5.8 | 11.1 |
| Battle Mountain | 1/27 | 44 | 12.9 | 7.8 | - |
| Brooklyn Lake | 1/26 | 50 | 14.8 | 9.7 | 14.9 |
| Brooklyn Lake SNOTEL | 2/01 | - | 17.8 | 17.5 | - |
| Butter Hill | 1/26 | 47 | 12.9 | 7.9 | - |
| Cameron Pass, CO | 1/30 | 64 | 23.8 | 17.1 | 17.7 |
| Columbine Lodge, CO | 1/25 | 62 | 20.3 | 11.5 | 15.3 |
| Deep Creek | 1/27 | 52 | 14.8 | 9.2 | 9.9 |
| Deep Lake | 1/26 | 86 | 29.4 | 22.8 | 27.4 |
| Elkhorn | 1/26 | 65 | 19.6 | 14.0 | - |
| Elk River, CO | 1/24 | 51 | 13.6 | 7.8 | 12.0 |
| Evans | - | DISCONTINUED | | | |
| Foxpark | 1/25 | 28 | 8.3 | 3.3 | 8.3 |
| Hairpin Turn | 1/26 | 42 | 13.0 | 8.2 | 11.8 |
| Haskins Creek | 1/27 | 86 | 27.4 | 19.6 | - |
| Joe Wright CO | 1/30 | 64 | 22.2 | 17.0 | 15.9 |
| LaBonte | 1/29 | 26 | 7.6 | 3.8 | 3.9 |
| Libby Lodge | 1/26 | 35 | 10.3 | 5.2 | 8.2 |
| Moss Lake | 1/28 | 63 | 22.9 | 23.4 | 16.9 |
| North Barrett Creek | 1/30 | 50 | 18.2 | 13.4 | 14.1 |
| North French Creek SNOTEL | 2/01 | - | 26.6 | 17.7 | 15.0 |
| Northgate, CO | 1/30 | 24 | 5.4 | 2.4 | 4.1 |

SNOW

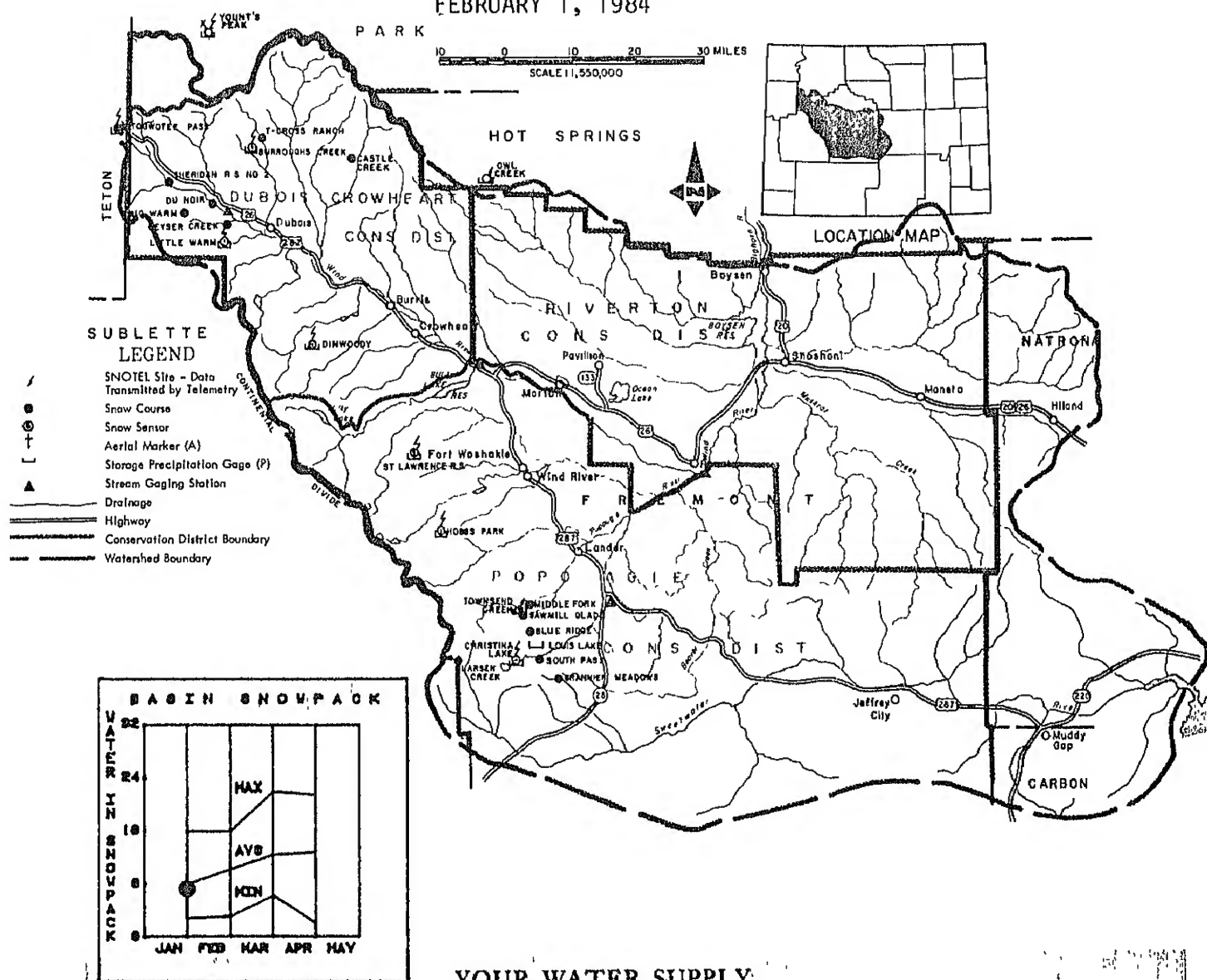
| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | PAST REC | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|------|
| | | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr. | Ave† |
| Old Battle | 2/2 | 75 | 29.1 | 20.6 | 22.5 |
| Old Battle SNOTEL | 2/1 | - | 30.3 | 21.7 | - |
| Parkview CO | 1/30 | 31 | 7.6 | 4.9 | 6.1 |
| Purgatory Gulch | 1/30 | 31 | 7.6 | 4.9 | 19 |
| Roach, CO | 1/27 | 56 | 16.0 | 20.3 | 20.4 |
| Rock Creek | 1/28 | 64 | 23.1 | 20.2 | 16.6 |
| Ryan Park | 1/30 | 39 | 11.5 | 7.7 | 7.9 |
| Sand Lake SNOTEL | 2/1 | - | 24.3 | - | - |
| Sandstone Ranger Station | 1/27 | 51 | 14.4 | 9.1 | - |
| South Brush Creek SNOTEL | 2/1 | - | 9.8 | 9.8 | 6.8 |
| Webber Spring | 2/2 | 50 | 16.6 | 11.3 | 15.0 |
| Webber Spring SNOTEL | 2/1 | - | 18.3 | 16.0 | - |
| Whiskey Creek | 1/26 | 78 | 25.2 | 16.2 | - |
| Willow Creek Pass, CO | 1/30 | 40 | 10.8 | 6.7 | 8.1 |

† Period of Average 1961-1980 (20 years).

* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

FEBRUARY 1, 1984



With normal snowfalls and spring precipitation, streams in this basin will flow very near normal amounts this summer. Streamflows during the fall of 1983 have all been above normal keeping reservoirs at above normal volumes.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| Wind River near Dubois | 104 | 98 | April-Sept. | 106.6 | 106 |
| Wind River at Riverton (1) | 690 | 102 | April-Sept. | - | 678 |
| Wind River below Boysen (2) | 1,163 | 100 | April-Sept. | - | 1163 |
| Bull Lake Creek near Lenore (3) | 197 | 105 | April-Sept. | - | 188 |
| Little Popo Agie near Lander | 55 | 104 | April-Sept. | - | 53 |

- (1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal
 (2) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoirs; plus diversion to Wyoming Canal.
 (3) Observed flow plus change in storage in Bull Lake.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Upper Wind River | 4 | 110 | 89 |
| Popo Agie | 4 | 189 | 123 |
| Wind above Boysen | 15 | 132 | 96 |
| Sweetwater | 3 | 105 | 93 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Bull Lake | 151.8 | 106.6 | 107.8 | 93.3 |
| Pilot Butte | 31.6 | 19.3 | 21.4 | 14.7 |
| Boysen | 549.9 | 361.2 | 347.0 | 348.0 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC | |
|-----------------------------------|----------------|------------------|------------------|------------------------|------|
| | Date of Survey | Snow Depth (in.) | Water Cont (in.) | Water Content (inches) | |
| | | | | Last Yr. | Ave† |
| Big Warm Springs | 1/30 | 18 | 3.4 | 2.6 | 4.7 |
| Blue Ridge | 1/27 | 35 | 9.5 | 5.0 | 8.4 |
| Burroughs Creek | 1/29 | 31 | 7.8 | 7.2 | 10.3 |
| Burroughs Creek SNOTEL | 2/1 | - | 8.3 | 7.9 | - |
| Castle Creek | 1/29 | 15 | 2.2 | .8 | 3.2 |
| Christina Lake SNOTEL | 2/1 | - | 10.6 | 10.9 | - |
| Dinwoody | 1/31 | 30 | 7.6 | 6.5 | 7.9 |
| Dinwoody SNOTEL | 2/1 | - | 5.7 | 7.5 | - |
| Dunoir | 1/30 | 27 | 5.6 | 3.2 | 6.1 |
| Geyser Creek | 1/30 | 22 | 4.4 | 2.4 | 5.3 |
| Grannier Meadows | 1/26 | 37 | 10.1 | 8.1 | 9.8 |
| Hobbs Park | 1/31 | 36 | 9.2 | 7.8 | 9.3 |
| Hobbs Park SNOTEL | 2/1 | - | 8.1 | 8.9 | - |
| Larsen Creek | 1/31 | 26 | 6.6 | 9.4 | 8.9 |
| Little Warm | 1/30 | 41 | 10.6 | 9.2 | 10.8 |
| Little Warm SNOTEL | - | Not Avail | able | - | - |
| Middle Fork | 1/27 | 31 | 7.3 | 2.4 | 3.9 |
| Owl Creek | 1/30 | 15 | 3.6 | 2.6 | 3.4 |
| Owl Creek SNOTEL | 2/1 | - | 2.9 | 3.6 | - |
| Sawmill Glade | 1/27 | 29 | 7.7 | 2.6 | 5.9 |
| Sheridan Ranger Station | 1/30 | 20 | 4.6 | 3.6 | 5.5 |
| Sheridan Ranger Sta. (new) | 1/30 | 18 | 3.6 | 3.2 | - |

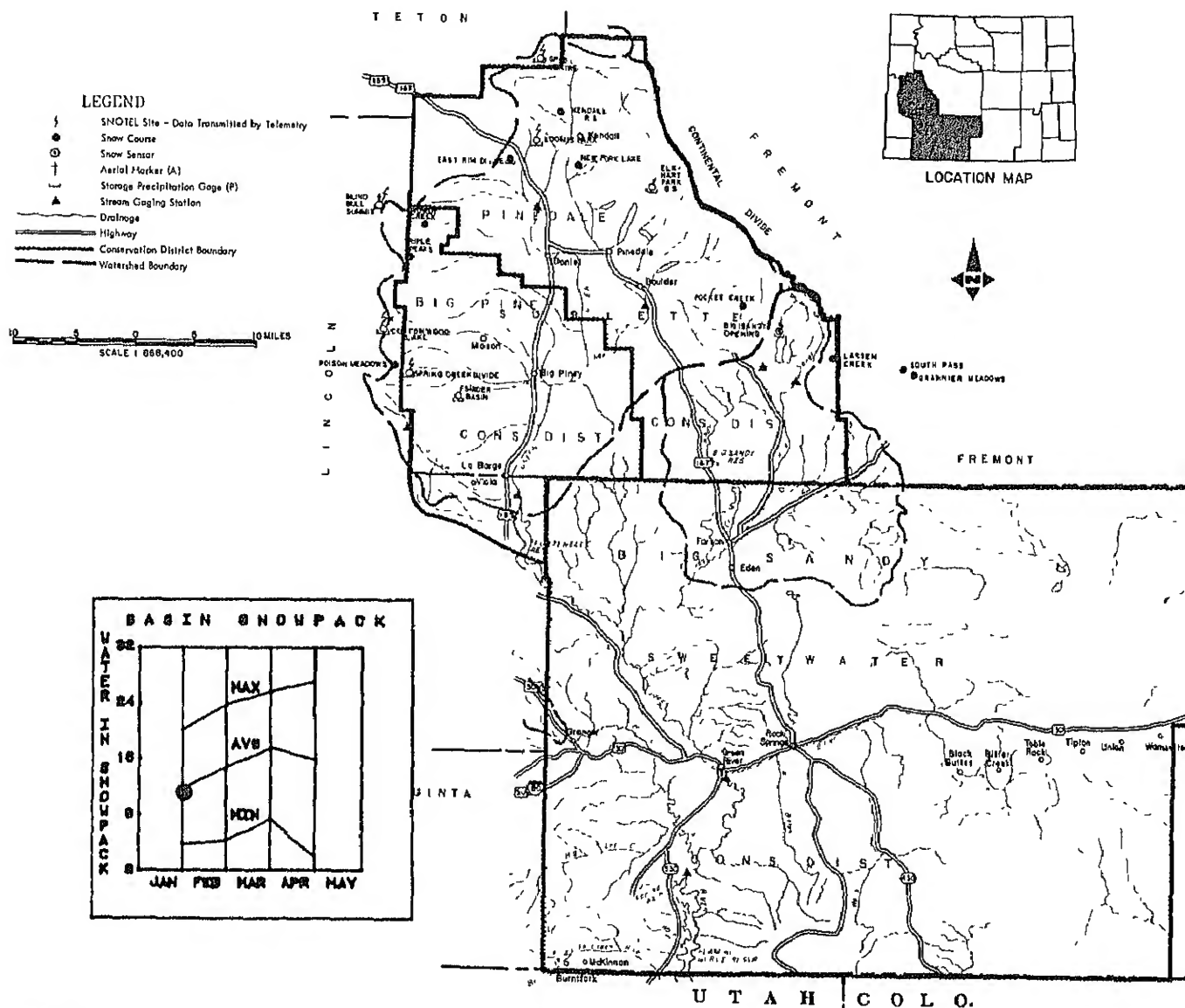
SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC | |
|-----------------------------------|----------------|------------------|------------------|------------------------|------|
| | Date of Survey | Snow Depth (in.) | Water Cont (in.) | Water Content (inches) | |
| | | | | Last Yr. | Ave† |
| South Pass | 1/26 | 42 | 11.0 | 9.2 | 11.3 |
| St. Lawrence Ranger Sta. | 1/27 | 26 | 6.9 | 3.0 | 4.6 |
| St. Lawrence R.S. SNOTEL | 2/1 | - | 7.4 | 5.2 | - |
| T-Cross Ranch | 1/29 | 21 | 3.8 | 3.8 | 5.7 |
| Togwotee Pass | 1/31 | 58 | 18.8 | 18.1 | 20.2 |
| Togwotee Pass SNOTEL | 2/1 | - | 15.4 | 15.4 | - |
| Townsend Creek | 1/27 | 30 | 7.9 | 2.9 | - |
| Townsend Creek SNOTEL | 2/1 | - | 7.9 | 3.0 | - |
| Younts Peak | - | DISCONT | NUED | - | - |
| Younts Peak SNOTEL | - | Not Avail | able | - | 12.9 |

† Period of Average 1961-1980 (20 years).
 * Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

FEBRUARY 1, 1984



YOUR WATER SUPPLY

Snowpacks have slipped to below normal in the dryness of January. The outlook for spring and summer streamflow is likewise for near to below normal flows.

STREAMFLOW FORECASTS

(1) Observed flow plus change in storage in Fontenelle Reservoir.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

SNOW

SNOW

+ Period of Average 1961-1980 (20 years).

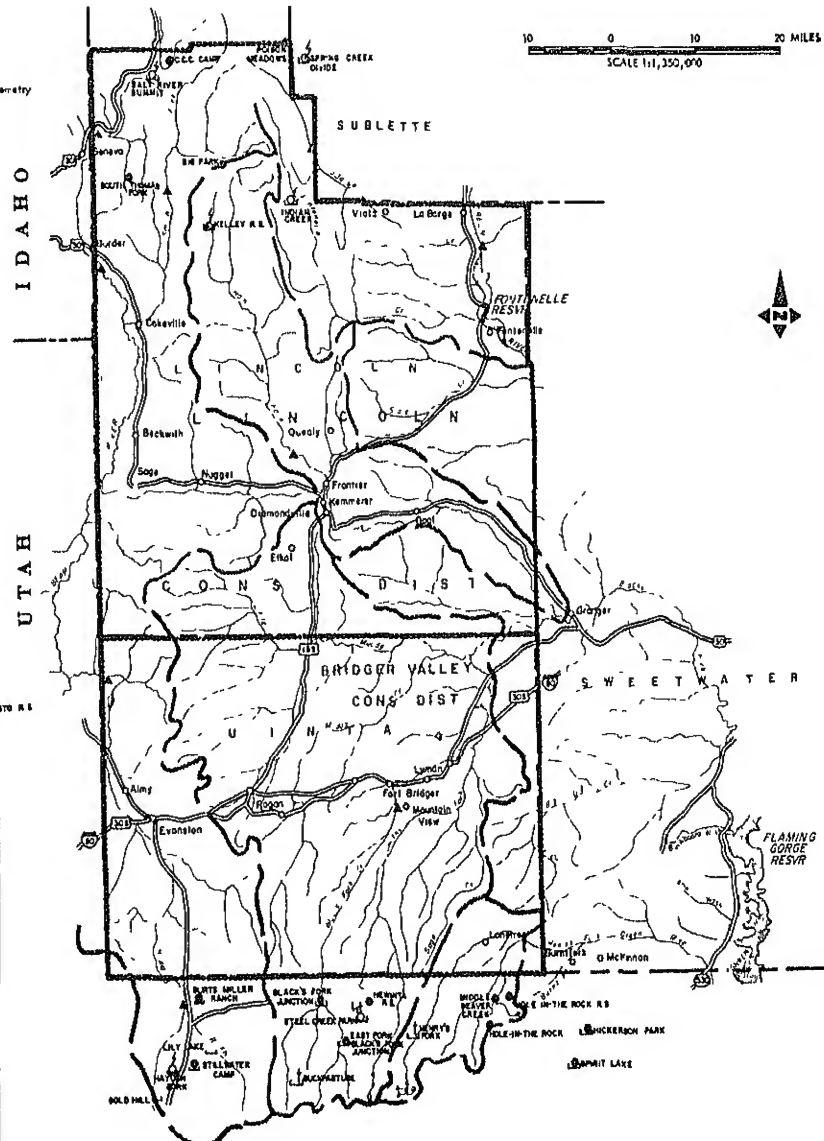
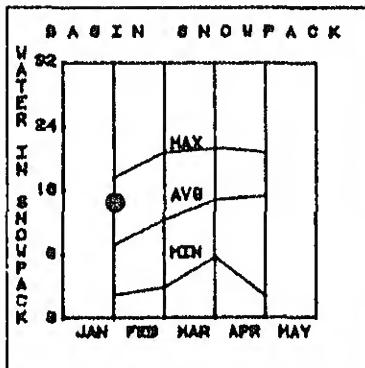
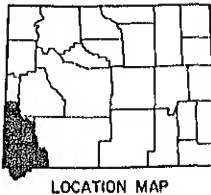
* Less than 20 Year Period.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

FEBRUARY 1, 1984

LEGEND

- ⚡ SHOTEL Site - Data Transmitted by Telemetry
- Snow Course
- Snow Sensor
- T Aerial Marker (A)
- LJ Storage Precipitation Gage (P)
- ▲ Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



YOUR WATER SUPPLY

Very heavy snowpacks in the Uinta Mountains of northeast Utah indicate streamflows this summer at nearly one and one-half of normal in southwestern Wyoming.

STREAMFLOW FORECASTS

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|---------------|-----------------|----------------|-----------|---------|
| | | This Year | Last Year | Average |
| Fontenelle | 344.8 | 163.9 | 233.1 | 273.7 |
| Flaming Gorge | 3749.0 | 3309.8 | 3214.8 | - |
| Viva Naughton | 26.0 | 7.7 | 20.6 | - |

SNOW

[illegible]

+ Period of Average 1961-1980 (20 years).
* Less than 20 Year Period.

S N O W C O U R S E D A T A

F E B R U A R Y 1 9 8 4

| SNOWCOURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1951-55 |
|----------------------|-------|------|---------------|------------------|--------------|--------------------|
| AFTON RANGER STATION | 5240 | 1/31 | 22 | 4.5 | 2.6 | 3.4 |
| ALBANY | 9120 | 1/25 | 42 | 13.2 | 5.8 | 11.1 |
| ARIZONA | 6825 | 1/30 | 42 | 11.8 | 14.1 | 13.3 |
| ASTER CREEK | 7750 | 1/30 | 49 | 15.5 | 18.5 | 20.9 |
| BALD MOUNTAIN | 9380 | 1/30 | 51 | 13.7 | 14.9 | 15.0 |
| BALD MOUNTAIN SNOTEL | 9380 | 2/01 | - | 12.9 | 13.5 | - |
| BASE CAMP | 7030 | 1/31 | 38 | 11.0 | 12.4 | 14.7 |
| BASE CAMP SNOTEL | 7030 | 2/01 | - | 10.3 | 10.8 | - |
| BATTLE MOUNTAIN | 7440 | 1/27 | 44 | 12.0 | 7.8 | - |
| BEARLIDGE DIVIDE | 4650 | 1/30 | 6 | 1.4 | 1.7 | 2.1 |
| BEAR MTN. LOOKOUT SD | 7150 | | | | - | - |
| BEARTOOTH LK. SNOTEL | 9280 | 2/01 | - | 10.8 | 13.4 | - |
| BEAR TRAP AERIAL | 7960 | 1/30 | 37 | 8.4 | 6.4 | 5.6 |
| BEARTRAP MOWS. CNL | 7950 | 2/01 | - | 4.4 | 4.8 | - |
| BIG GOOSE | 7760 | 1/25 | 25 | 5.4 | 3.8 | 4.7 |
| BIG PARK | 8620 | 1/27 | 50 | 15.2 | 10.0 | 13.6 |
| BIG SANDY OPENING | 9080 | 1/31 | 33 | 8.0 | 9.2 | 10.0 |
| BIG SANDY SNOTEL | 9080 | | | | 11.0 | - |
| BIG WARM SPRINGS | 8370 | 1/30 | 18 | 3.4 | 2.6 | 4.7 |
| BLACKROCK | 8900 | 1/31 | 50 | 15.0 | 14.3 | 14.9 |
| BLACKS FK. E FK. UT | 9300 | 1/31 | 32 | 9.0 | 4.1 | - |
| BLACKS FORK JCT. | 8930 | 1/31 | 33 | 9.1 | 4.2 | - |
| BLACKWATER SNOTEL | 9780 | 2/01 | - | 15.3 | - | - |
| BLIND BULL SUMM AIR | 8650 | 1/31 | 50 | 16.0 | 13.0 | 19.2 |
| BLIND BULL SNOTEL | 8650 | 2/01 | - | 16.3 | 17.1 | - |
| BLUE RIDGE | 9620 | 1/27 | 35 | 9.5 | 5.0 | 9.4 |
| BONE SPRING DIVINE | 9350 | 1/30 | 48 | 11.8 | 12.8 | 12.4 |
| BONE SPRINGS SNOTEL | 9350 | 2/01 | - | 10.2 | 8.6 | - |
| BOXELDER | 7280 | 1/31 | 27 | 7.1 | 5.9 | 4.4 |
| BROOKLYN LAKE | 10220 | 1/26 | 50 | 14.8 | 9.7 | 14.9 |
| BROOKLYN LK. SNOTEL | 10220 | 2/01 | - | 17.8 | 17.5 | - |
| CRYAN FLAT | 6420 | 1/26 | 26 | 6.3 | 4.1 | 5.7 |
| BUCK CREEK | 7900 | 1/31 | 30 | 6.6 | 9.2 | 6.7 |
| BURGESS RANGER STA | 7880 | 1/25 | 20 | 4.3 | 4.7 | 5.3 |
| BURGESS SNOTEL | 7880 | 2/01 | - | 5.7 | - | - |
| BURROUGHS CREEK | 8750 | 1/27 | 31 | 7.8 | 7.2 | 10.3 |
| BURROUGHS CRK SNOTEL | 8750 | 2/01 | - | 8.3 | 7.9 | - |
| BURTS MILLER RCH JT | 7900 | 1/30 | 24 | 6.0 | 2.4 | 4.3 |
| BUTTER HILL | 7880 | 1/25 | 47 | 12.9 | 7.9 | - |
| CAMERON PASS CO | 10280 | 1/30 | 64 | 23.6 | 17.1 | 17.7 |
| CANYON SNOTEL | 7940 | 1/29 | 31 | 7.2 | 7.9 | 11.2 |
| CARTER MOUNTAIN | 7950 | 1/25 | 18 | 3.6 | 2.6 | 3.4 |
| CASPER MOUNTAIN | 7850 | 1/31 | 30 | 7.8 | 11.8 | 9.0 |
| CASPER MTN. SNOTEL | 7850 | 2/01 | - | 8.7 | 12.8 | - |

| SNOWCOURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-80 |
|----------------------|-------|------|---------------|------------------|--------------|--------------------|
| <hr/> | | | | | | |
| CASTLE CREEK | 8400 | 1/29 | 15 | 2.2 | 0.8 | 3.2 |
| CCC CAMP | 7000 | 1/30 | 37 | 9.6 | 6.6 | 8.8 |
| CHAMBERS LAKE CO | 9000 | 1/30 | 24 | 7.9 | 14.2 | 5.4 |
| CHRISTINA LK SNOTEL | 9980 | 2/11 | - | 10.6 | 10.9 | - |
| CLOUD PEAK AERIAL | 9850 | 1/30 | 36 | 7.7 | 9.6 | 5.7 |
| CLOUD PEAK SNOTEL | 9850 | 2/01 | - | 7.3 | 7.5 | - |
| COLUMBINE LODGE CO | 9160 | 1/26 | 62 | 20.3 | 11.5 | 15.3 |
| COOKE STATION MT | 8150 | | | | - | 15.3 |
| COTTONWOOD LK AIR | 7600 | 1/31 | 44 | 12.3 | 14.3 | 12.4 |
| COTTONWOOD LK SNOTEL | 7600 | 2/01 | - | 15.5 | 17.7 | - |
| COULTER CREEK | 7020 | 1/30 | 46 | 13.8 | 14.0 | 13.8 |
| COULTER CREEK SNOTEL | 7020 | | | | 14.0 | - |
| CREVICE MOUNTAIN VT | 8400 | | | | - | - |
| DARBY CANYON | 8250 | 1/30 | 53 | 17.3 | 15.6 | 15.3 |
| DEADMAN HILL CO | 10220 | 1/31 | 40 | 12.6 | 8.2 | 10.5 |
| DEEP CREEK | 7880 | 1/27 | 52 | 14.8 | 9.2 | 9.9 |
| DEEP LAKE | 10500 | 1/26 | 86 | 29.4 | 22.8 | 27.4 |
| DINWOODY | 10160 | 1/31 | 30 | 7.6 | 6.5 | 7.9 |
| DINWOODY SNOTEL | 10000 | 2/01 | - | 5.7 | 7.5 | - |
| DOVE LAKE | 8880 | 1/25 | 26 | 5.2 | 4.8 | 5.3 |
| DOVE LAKE SNOTEL | 8880 | 2/01 | - | 7.7 | 7.2 | - |
| DU NOIR | 8760 | 1/30 | 27 | 5.6 | 3.2 | 5.1 |
| EAST ENTRANCE | 6960 | 1/30 | 22 | 5.2 | 6.9 | 7.7 |
| EAST RIM DIVIDE | 7930 | 1/30 | 28 | 7.2 | 5.6 | 9.5 |
| ELBO RANCH | 7100 | | | | - | - |
| ELKHART PARK G.S. | 9400 | 1/27 | 34 | 8.6 | 7.6 | 9.5 |
| ELKHART PARK SNOTEL | 9400 | 2/01 | - | 9.3 | 7.0 | - |
| ELKHORN | 8480 | 1/26 | 65 | 19.6 | 14.0 | - |
| ELK RIVER CO | 8600 | 1/24 | 51 | 13.6 | 7.8 | 12.0 |
| EVENING STAR SNOTEL | 9200 | 2/01 | - | 16.4 | 9.9 | - |
| FISHER CREEK MT | 9100 | | | | - | 25.3 |
| FOUR MILE MEADOWS | 7860 | 1/31 | 32 | 8.1 | 7.5 | 9.4 |
| FOX PARK | 9060 | 1/26 | 28 | 8.3 | 3.3 | 4.9 |
| FREDS MOUNTAIN | 8000 | 1/30 | - | 18.5E | 17.0 | 16.7 |
| GENEVA PASS AERIAL | 9400 | 1/30 | 42 | 10.5 | 10.8 | 10.9 |
| GEYSER CREEK | 8500 | 1/30 | 20 | 4.4 | 2.4 | 5.3 |
| GLADE CREEK | 7040 | 1/30 | 49 | 15.4 | 16.1 | 15.9 |
| GRANNIER MEADOWS | 8860 | 1/26 | 37 | 10.1 | 8.1 | 9.8 |
| GRASSY LAKE | 7270 | 1/30 | 67 | 22.0 | 22.9 | 24.2 |
| GRASSY LAKE SNOTEL | 7270 | 2/01 | - | 21.8 | 21.8 | - |
| GREYS BOUNDARY | 5720 | 1/31 | 36 | 10.2 | 7.0 | 9.1 |
| GROS VENTRE SUMMIT | 8750 | 1/31 | 33 | 8.0 | 8.0 | 8.5 |
| GROS VENTRE SNOTEL | 8750 | 2/01 | - | 10.6 | 11.8 | - |
| GROVER PARK DIVIDE | 7000 | 1/31 | 35 | 10.4 | 6.0 | 8.5 |
| HAIRPIN TURN | 9460 | 1/26 | 42 | 13.0 | 8.2 | 11.8 |

| SNOWCOURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1951-30 |
|----------------------|-------|-------|---------------|------------------|--------------|--------------------|
| HANSEN S.M. SNOTEL | 876 | 2/01 | - | 4.0 | 5.0 | - |
| HASKINS CREEK | 896 | 1/27 | 86 | 27.4 | 19.6 | - |
| HAYDEN FORK UT | 9400 | 1/30 | 42 | 11.3 | 7.8 | 10.4 |
| HEWINTA G.S. UT | 9500 | 1/31 | 33 | 8.9 | 4.9 | - |
| HICKERSON PARK UT | 9100 | 12/02 | 27 | 7.7 | 4.9 | - |
| HOBBS PARK | 10100 | 1/31 | 36 | 9.2 | 7.8 | 9.3 |
| HOBBS PARK SNOTEL | 10100 | 2/01 | - | 8.1 | 8.9 | - |
| HUCKLEBERRY DIVIDE | 7300 | 1/30 | 45 | 13.0 | 14.3 | 15.0 |
| INDIAN CREEK SNOTEL | 9430 | 2/01 | - | 21.1 | 16.5 | - |
| INDIAN MEADOWS | 8420 | 1/30 | 76 | 28.3 | 30.8 | 24.5 |
| IRISH ROCK SNOTEL | 9800 | 2/31 | - | 5.9 | 6.4 | - |
| JACKPINE CREEK | 7350 | 1/30 | 47 | 14.7 | 15.9 | 15.2 |
| JOE WRIGHT CO | 10120 | 1/30 | 64 | 22.2 | 17.0 | 15.9 |
| KELLEY RANGER STA. | 8120 | 1/27 | 47 | 14.0 | 10.8 | 12.7 |
| KELLEY R.S. SNOTEL | 8180 | 2/01 | - | 12.9 | 9.1 | - |
| KENDALL R.S. | 7740 | 1/27 | 30 | 7.4 | 7.2 | 9.4 |
| KIRWIN SNOTEL | 9550 | | | | 4.3 | - |
| LA BOUTE | 7750 | 1/29 | 26 | 7.6 | 3.8 | 3.9 |
| LAKE CAMP | 7780 | 1/28 | 24 | 3.6 | 5.1 | 6.4 |
| LA PRELE SNOTEL | 8380 | 2/01 | - | 10.1 | 9.6 | - |
| LARSEN CREEK | 9020 | 1/31 | 26 | 6.6 | 9.4 | 9.9 |
| LEWIS LAKE DIVIDE | 7850 | 1/30 | 69 | 23.8 | 26.6 | 28.4 |
| LEWIS LAKE SNOTEL | 7850 | 2/01 | - | 19.9 | - | - |
| LIBBY LODGE | 8750 | 1/26 | 35 | 10.3 | 5.2 | 9.2 |
| LITTLE WARM | 9620 | 1/30 | 41 | 10.6 | 9.2 | 17.3 |
| LITTLE WARM SNOTEL | 9620 | | | | 6.4 | - |
| LOOMIS PARK | 8240 | 1/30 | 36 | 9.6 | 10.2 | 12.9 |
| LOOMIS PARK SNOTEL | 8240 | 2/01 | - | 9.2 | 8.3 | - |
| LOST CREEK SNOTEL | 8090 | 2/01 | - | 8.9 | 11.5 | - |
| LUPINE CREEK | 7380 | 12/02 | 21 | 4.8 | 5.5 | 7.5 |
| MALLO PILLOW | 6420 | 1/30 | 24 | 4.0 | 7.6 | 5.4 |
| MARQUETTE CREEK | 8760 | 1/29 | 24 | 6.0 | 6.0 | 5.4 |
| MARQUETTE SNOTEL | 8760 | 2/01 | - | 6.1 | 7.1 | - |
| MCINTYRE CO | 9120 | | | | - | 5.5 |
| MEDICINE LODGE LAKES | 9340 | 1/30 | 29 | 5.9 | 8.8 | 8.2 |
| MIDDLE FORK | 7420 | 1/27 | 31 | 7.3 | 2.4 | 3.9 |
| MIDDLE POWDER | 7760 | 1/29 | 28 | 6.2 | 7.5 | 5.3 |
| MIDDLE POWDER SNOTEL | 7760 | 2/01 | - | 7.6 | 8.1 | - |
| MONTE CRISTO UT | 8960 | 1/28 | 56 | 24.9 | 12.6 | 15.2 |
| MORAY | 6750 | 1/31 | 33 | 8.9 | 7.4 | 5.4 |
| MOSS LAKE | 9880 | 1/28 | 63 | 22.9 | 23.4 | 15.9 |
| MOUNT TOM PILLOW | 5560 | 1/30 | 14 | 1.7 | 2.6 | 3.3 |
| MUDDY CREEK G.S. | 7820 | 1/30 | 13 | 2.4 | 2.2 | 2.8 |
| NEW FORK LAKE | 8340 | 1/30 | 28 | 5.0 | 7.2 | 9.5 |
| NORRIS BASIN (OLD) | 7500 | 1/29 | 25 | 5.2 | 6.1 | 3.1 |

| SNOWCOURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-30 |
|----------------------|-------|-------|---------------|------------------|--------------|--------------------|
| NORRIS BASIN (NEW) | 7500 | 1/19 | 25 | 5.4 | 6.6 | - |
| NORTH BARRETT CREEK | 9430 | 1/30 | 50 | 18.2 | 13.4 | 14.1 |
| NORTHEAST ENT. MT | 7400 | 1/31 | 21 | 4.4 | 6.4 | 7.2 |
| N. FRENCH CRK SNOTEL | 10130 | 02/01 | - | 26.6 | 17.7 | 15.0 |
| NORTHGATE CO | 8500 | 1/30 | 24 | 5.4 | 2.4 | 4.1 |
| NORTH TONGUE | 8450 | 1/25 | 30 | 6.5 | 9.1 | 8.9 |
| NOWOOD CREEK SNOTEL | 8650 | 2/01 | - | 26.6 | - | - |
| OLD BATTLE | 9920 | 2/02 | 75 | 29.1 | 20.6 | 22.5 |
| OLD BATTLE SNOTEL | 9920 | 02/01 | - | 30.3 | 21.7 | - |
| OLD FAITHFUL | 7400 | 1/31 | 26 | 4.9 | 10.0 | 10.3 |
| ONION GULCH | 8780 | 1/30 | 23 | 4.6 | 5.1 | 5.4 |
| OWL CREEK | 8980 | 1/30 | 15 | 3.6 | 2.6 | 3.4 |
| OWL CREEK SNOTEL | 8980 | 2/01 | - | 2.9 | 3.6 | - |
| PARKERS PEAK SNOTEL | 9400 | | | | - | 20.9 |
| PARK VIEW CO | 9200 | 1/30 | 31 | 7.6 | 4.9 | 5.1 |
| PHILLIPS BENCH | 8200 | 1/26 | 59 | 17.7 | 17.8 | 19.5 |
| PHILLIPS BENCH SNTL | 8200 | 2/01 | - | 15.2 | 16.6 | - |
| POCKET CREEK | 9350 | 1/27 | 36 | 8.6 | 9.6 | 8.9 |
| POISON MEADOWS | 8550 | 1/31 | 61 | 19.2 | 17.8 | 20.9 |
| POLE MOUNTAIN | 8360 | 1/25 | 32 | 9.1 | 5.2 | 4.5 |
| POWDER RIVER PASS | 9480 | 1/30 | 28 | 5.5 | 7.0 | 8.2 |
| POWDER RIVER SNOTEL | 9480 | 2/01 | - | 5.6 | 7.3 | - |
| PURGATORY GULCH | 8970 | 1/30 | 31 | 7.6 | 4.9 | 7.5 |
| RABBIT EARS CO | 9550 | 1/25 | 76 | 24.0 | 17.3 | 16.3 |
| RANGER CREEK | 8120 | 1/30 | 23 | 4.8 | 6.7 | 7.1 |
| RENO HILL SNOTEL | 8500 | 2/01 | - | 7.3 | 12.8 | - |
| REUTER CANYON | 6280 | 1/27 | 25 | 6.6 | 10.9 | 5.7 |
| ROACH CO | 9400 | 1/27 | 56 | 16.0 | 9.2 | 12.0 |
| ROCK CREEK | 9980 | 1/26 | 64 | 23.1 | 20.2 | 15.5 |
| ROWDY CREEK | 8300 | 1/31 | 48 | 13.4 | 11.4 | 15.4 |
| RYAN PARK | 8350 | 1/30 | 39 | 11.5 | 7.7 | 7.9 |
| SALT RIVER SUMMIT | 7700 | 1/30 | 42 | 11.4 | 7.8 | 11.3 |
| SALT RIVER SNOTEL | 7700 | 2/01 | - | 10.3 | 9.7 | - |
| SAND LAKE SNOTEL | 10050 | 2/01 | - | 24.3 | - | - |
| SANDSTONE R.S. | 8150 | 1/27 | 51 | 14.4 | 9.1 | - |
| SAWMILL DIVIDE | 9260 | 1/25 | 37 | 8.5 | 9.2 | 10.0 |
| SAWMILL GLADE | 8740 | 1/27 | 29 | 7.7 | 2.6 | 5.9 |
| SHELL CREEK | 9580 | 1/30 | 35 | 8.4 | 10.4 | 10.2 |
| SHELL CREEK SNOTEL | 9580 | 2/01 | - | 9.2 | 10.6 | - |
| SHERIDAN R.S. | 7720 | 1/30 | 20 | 4.6 | 3.6 | 5.5 |
| SHERIDAN R.S. NEW | 7750 | 1/30 | 18 | 3.6 | 3.2 | - |
| SNAKE RIVER STATION | 6920 | 1/30 | 43 | 13.0 | 13.9 | 14.5 |
| SNIDER BASIN R.S. | 8060 | 1/31 | 40 | 11.2 | 8.3 | 12.3 |
| SNIDER BASIN SNOTEL | 8060 | 2/01 | - | 9.3 | - | - |
| SNOW KING MTN | 7660 | 1/27 | 37 | 9.2 | 9.1 | 10.7 |

| SNOWCOURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-30 |
|----------------------|-------|-------|---------------|------------------|--------------|--------------------|
| SOLDIER PARK | 8780 | 1/3 | 18 | 3.4 | 3.0 | 4.0 |
| SOUR DOUGH | 8460 | 1/31 | 20 | 3.9 | 4.6 | 4.5 |
| SOUTH BRUSH SNOTEL | 8440 | 2/01 | - | 9.8 | 6.8 | - |
| SOUTH PASS | 9040 | 1/26 | 42 | 11.0 | 9.2 | 11.3 |
| SOUTH THOMAS FORK | 7840 | 1/30 | 40 | 12.4 | 9.1 | 12.1 |
| SPIRIT LAKE UT | 10300 | 1/31 | 32 | 9.0 | 9.3 | - |
| SPRING CRK. SNOTEL | 9000 | 2/01 | - | 16.7 | 15.1 | - |
| STATE LINE ID | 666 | 02/01 | 37 | 10.7 | 9.8 | 10.0 |
| STEEL CREEK PARK UT | 10100 | 1/31 | 48 | 14.6 | 10.5 | - |
| STILLWATER CAMP UT | 8550 | 1/30 | 32 | 9.1 | 5.0 | 7.4 |
| ST. LAWRENCE R.S. | 890 | 1/27 | 26 | 6.9 | 3.0 | 4.5 |
| ST. LAWRENCE SNOTEL | 8550 | 2/01 | - | 7.4 | 5.2 | - |
| SUCKER CREEK | 888 | 1/31 | 35 | 8.1 | 6.7 | 8.0 |
| SUCKER CREEK SNOTEL | 8880 | | | | 5.8 | - |
| SWEETWATER PILLOW | 5860 | 1/30 | 22 | 4.5 | 6.5 | 4.2 |
| SYLVAN LAKE SNOTEL | 842 | 2/01 | - | 13.5 | 14.3 | - |
| SYLVAN PASS | 7100 | 1/30 | 26 | 6.2 | 8.6 | 9.7 |
| T-CROSS RANCH | 7900 | 1/29 | 21 | 3.8 | 3.8 | 5.7 |
| TETON PASS W.S. | 7740 | 1/27 | 59 | 19.1 | 17.0 | 17.7 |
| THUMB DIVIDE | 738 | 1/30 | 35 | 9.6 | 12.2 | 14.5 |
| TIMBER CREEK | 790 | 1/29 | 16 | 3.5 | 1.4 | 2.3 |
| TOGWOTEE PASS | 9580 | 1/31 | 58 | 18.8 | 18.1 | 20.2 |
| TOGWOTEE PASS SNOTEL | 9580 | 2/01 | - | 15.4 | 15.4 | - |
| TOWNSEND CREEK | 8700 | 1/27 | 30 | 7.9 | 2.9 | - |
| TOWNSEND CRK SNOTEL | 8700 | 2/01 | - | 7.9 | 3.0 | - |
| TRIAL LAKE UT | 9960 | 1/31 | 56 | 19.9 | 14.8 | 15.9 |
| TRIPLE PEAKS | 8500 | 1/31 | 47 | 14.8 | 14.8 | 19.1 |
| TROUT CREEK SNOTEL | 8400 | 2/01 | - | 3.2 | 3.6 | - |
| TURPIN MEADOWS | 6900 | 1/31 | 26 | 6.8 | 6.3 | 8.0 |
| TWENTY-ONE MILE MT | 7150 | 1/28 | 36 | 9.2 | 11.0 | 13.5 |
| TWO OCEAN SNOTEL | 9160 | 2/01 | - | 16.0 | - | 19.5 |
| TYRELL RANGER STA. | 8300 | 1/30 | 24 | 4.9 | 6.0 | 5.0 |
| UPPER SPEARFISH SD | 6500 | | | | 6.7 | 4.4 |
| WARREN PEAK | 6520 | 1/27 | 23 | 5.3 | 10.4 | 6.1 |
| WARREN PEAK SNOTEL | 6520 | | | | 9.4 | - |
| WEBBER SPRING | 9250 | 2/02 | 50 | 16.6 | 11.3 | 15.0 |
| WEBBER SPRING SNOTEL | 9250 | 02/01 | - | 18.5E | 16.0 | - |
| WEST YELLOWSTONE MT | 6700 | 1/28 | 28 | 7.2 | 8.2 | 9.5 |
| WHISKY CREEK | 8950 | 1/26 | 78 | 25.2 | 16.2 | - |
| WHITE MILL MT | 8700 | | | | - | 20.2 |
| WILLOW CREEK PASS CO | 9500 | 1/30 | 40 | 10.8 | 6.7 | 8.1 |
| WILLOW CRK SNOTEL WY | 8450 | 2/01 | - | 25.4 | 16.9 | - |
| WINDY PEAK SNOTEL | 7900 | 2/01 | - | 6.3 | 4.3 | - |
| WOLVERINE | 765 | 1/29 | 26 | 5.7 | 8.4 | 9.7 |
| WOLVERINE SNOTEL | 765 | 2/01 | - | 5.6 | 7.6 | - |
| WOOD ROCK G.S. | 8440 | 1/30 | 27 | 5.2 | 7.6 | 7.0 |
| YOUNGS RANCH AERIAL | 660 | 1/31 | 33 | 9.0 | 10.3 | 12.5 |
| YOUNTS PEAK SNOTEL | 835 | | | | - | 12.9 |

P R E C I P I T A T I O N D A T A

FEBRUARY 1, 1984

| PRECIPITATION STATION | JANUARY | | WATER YEAR | |
|------------------------------|-----------|---------------|---------------|---------------|
| | THIS YEAR | 61-80 AVERAGE | TOTAL TO DATE | 61-80 AVERAGE |
| Alva | | NO REPORT | | |
| Bald Mountain SNOTEL | 2.10 | 3.26* | 12.40 | 12.53* |
| Base Camp | 1.70 | - | 15.80 | - |
| Beartooth Lake SNOTEL | 1.80 | - | 11.40 | - |
| Beartrap Meadows SNOTEL | 3.70 | - | 9.80 | - |
| Big Sandy Opening SNOTEL | .20 | 2.93* | 8.60 | 9.21* |
| Blackwater SNOTEL | 1.00 | - | 14.60 | - |
| Blind Bull Summit SNOTEL | .80 | - | 16.70 | - |
| Bone Springs Divide SNOTEL | 1.60 | - | 10.20 | - |
| Brooklyn Lake SNOTEL | 1.30 | 3.71* | 17.30 | 11.45* |
| Burgess R.S. SNOTEL | 1.10 | - | 8.60 | - |
| Burroughs Creek SNOTEL | 1.40 | - | 11.70 | - |
| Canyon SNOTEL | .90 | - | 11.40 | - |
| Carter Mountain | 0.6 | 1.48* | 5.4 | 5.24* |
| Casper WSO AP | 1.19 | .54 | 5.54 | 2.70 |
| Casper Mountain SNOTEL | 1.10 | 1.76* | 11.50 | 8.37* |
| Christina Lake SNOTEL | 1.10 | - | - | - |
| Cloud Peak Reservoir SNOTEL | 1.10 | - | 6.80 | - |
| Cottonwood Lake | 1.60 | - | 22.3 | - |
| Coulter Creek SNOTEL | | NO REPORT | | |
| Dinwoody SNOTEL | 1.20 | - | 7.60 | - |
| Divide Peak SNOTEL | 1.50 | - | 20.30 | - |
| Dome Lake SNOTEL | .80 | - | 10.00 | - |
| Dubois (NWS) | .29 | .29 | 2.26 | 1.50 |
| East Rim Divide | .25 | 2.69 | 4.85 | 7.10 |
| Elkhart Park G.S. SNOTEL | .70 | 2.14* | 10.80 | 7.73* |
| Evening Star SNOTEL | 2.30 | - | 17.30 | - |
| Crassy Lake SNOTEL | 3.90 | 8.16* | 33.20 | 23.91* |
| Gros Ventre Summit SNOTEL | .40 | - | 10.30 | - |
| Grover Park Divide | .75 | 4.57* | 15.85 | 12.78* |
| Hansen Sawmill SNOTEL | .30 | - | 6.80 | - |
| Hobbs Park SNOTEL | 1.20 | - | 9.00 | - |
| Indian Creek SNOTEL | .80 | - | 19.90 | - |
| Irish Rock SNOTEL | .40 | - | 5.50 | - |
| Kelley Ranger Station SNOTEL | 1.20 | 4.34* | - | 12.09* |
| Kirwin SNOTEL | | NO REPORT | | |
| Lake Yellowstone (NWS) | .27 | 2.30 | 7.92 | 7.16 |
| Lander WSO AP (NWS) | .95 | .53 | 5.47 | 3.17 |
| LaPrele SNOTEL | 1.20 | - | 10.60 | - |
| Lewis Lake Divide SNOTEL | 2.20 | 10.12* | 22.70 | 26.90* |
| Little Warm | .70 | - | 10.10 | - |
| Loomis Park SNOTEL | .60 | - | 12.70 | - |
| Lost Creek SNOTEL | 1.90 | - | 10.00 | - |
| Louis Lake | 1.25E | 3.33* | 9.63 | 9.77* |
| Marquette Creek SNOTEL | | NO REPORT | | |
| Middle Powder SNOTEL | 1.70 | - | 10.20 | - |
| oran (NWS) | 1.10 | 3.67 | 12.51 | 10.77 |
| orth French Creek SNOTEL | 2.70 | 4.41* | 23.10 | 13.34* |
| ld Battle SNOTEL | .80 | 4.98* | 31.50 | 16.91* |
| Union Gulch | | - | 6.25 | 6.56* |
| Owl Creek SNOTEL | .7 | - | 3.20 | - |
| Parker Peak SNOTEL | 2.90 | - | 15.20 | - |
| Phillips Bench SNOTEL | 2.60 | - | 21.70 | - |
| Pinedale (NWS) | .06 | .74 | 4.21 | 2.93 |
| Pole Mountain | .03 | .80* | 7.03e | 4.55* |
| Powder River Pass SNOTEL | 1.00 | 2.62* | 7.90 | 7.89* |
| Reno Hill SNOTEL | 1.80 | - | 9.20 | - |
| Salt River Summit SNOTEL | 1.80 | 4.36 | 14.31 | 11.23 |
| Sand Lake SNOTEL | 1.70 | - | 18.00 | - |
| Shell Creek SNOTEL | 1.50 | - | 9.80 | - |
| Snake River Station (NWS) | 1.32 | 5.00 | 16.44 | 14.26 |
| Snider Basin SNOTEL | .90 | 3.36 | 10.10 | 21.60 |
| South Brush Creek SNOTEL | 1.80 | - | 14.90 | - |
| St. Lawrence R.S. SNOTEL | 1.90 | - | 9.00 | - |
| Sucker Creek SNOTEL | 2.30 | - | 3.52 | - |
| Sweetwater Mountain | 1.00 | 1.29* | 6.0 | 4.46* |
| Sylvan Lake SNOTEL | 2.50 | - | 20.00 | - |
| Tensleep (NWS) | .28 | .29 | 4.32 | 3.29 |
| Timber Creek | | NO REPORT | | |
| Togwotee Pass SNOTEL | 2.20 | 6.10* | 14.2 | 17.32* |
| Townsend Creek SNOTEL | 1.40 | - | 9.20 | - |
| Trout Creek SNOTEL | | NO REPORT | | |
| Two Ocean Plateau SNOTEL | 1.70 | - | 18.80 | - |
| Warren Peak SNOTEL | 1.20 | 1.13* | - | 4.17* |
| Webber Spring SNOTEL | 3.00 | - | 23.20 | - |
| Willow Creek SNOTEL | 2.50 | - | 29.80 | - |
| Windy Peak | 1.00 | - | 9.20 | - |
| Wolverine SNOTEL | 1.10 | - | 8.80 | - |
| Younts Peak SNOTEL | | NO REPORT | | |

* Less than 20 years

(NWS) National Weather Service gage

e Estimated

INDEX TO WYOMING SNOW COURSES AND DATA SITES

| MISSOURI BASIN AND CROCKER RIVER | WYOMING NUMBER | ELEV | SEC | TWP | LOCATION |
|----------------------------------|----------------|-------|--------|----------|----------|
| MISSOURI RIVER DRAINAGE | | | | | |
| Black Basin | 1155 | 7950 | 27 | 35S | SE |
| Worris Basin | 1062 | 7500 | 44°45' | 11°37' | 11°37' |
| Old Faithful | 10618 | 7400 | 44°27' | 11°39°3' | SE |
| 21 Mile m | 1166 | 7150 | 1 | 11S | SE |
| West Yellowstone m | 1167 | 6700 | 34 | 13S | SE |
| Yellowstone | | | | | |
| Canon | 1061* | 7940 | 44°44' | 11°30°3' | SE |
| Crocker Mountain m | 1005 | 8400 | 32 | 95 | SE |
| East Entrance | 985 | 6660 | 44°29' | 11°30°3' | SE |
| Lake Camp | 1064P | 7480 | 44°33' | 11°30°3' | SE |
| Lupine Creek | 1061 | 7480 | 44°35' | 14E | SE |
| Northwest Entrance m | 1007* | 7400 | 33 | 95 | SE |
| Snake River | 1061* | 8400 | 32 | 95 | SE |
| Sylvan Pass | 1065 | 7100 | 44°29' | 11°30°3' | SE |
| Sylvan Pass | 1065 | 7100 | 44°29' | 11°30°3' | SE |
| Thumb Divide | 1067 | 7940 | 44°22' | 11°30°3' | SE |
| Two Ocean Plateau | 10617* | 9160 | 44°09' | 11°31°2' | SE |
| Clark's Fork | | | | | |
| Beartooth Lake | 9610 | 8150 | 29 | 42N | 109°34' |
| Cooke Station m | 9611* | 9200 | 20 | 54N | 107W |
| Evening Star m | 9611* | 9200 | 20 | 54N | 107W |
| Fisher Creek m | 906* | 8199 | 11 | 95 | 109°35' |
| Pattee's Peak | 9614* | 9400 | 44°44' | 95 | 109°39' |
| McCall m | 968* | 8780 | 18 | 109°39' | 15E |
| | | | | | |
| Wind River | | | | | |
| Big Mtn | 9612 | 8150 | 29 | 42N | 108W |
| Barren Creek | 9670 | 8400 | 13 | 43N | 107W |
| Castle Creek | 9670 | 8400 | 13 | 43N | 107W |
| Dimondy | 9670 | 10160 | 13 | 38N | 105W |
| Dooley | 966* | 8760 | 27 | 42N | 108W |
| Grayer Creek | 967* | 8500 | 6 | 41N | 107W |
| Grayer Creek | 967* | 8500 | 6 | 41N | 107W |
| Little Snake | 967* | 8500 | 6 | 41N | 107W |
| Shelton R S | 967* | 8500 | 6 | 42N | 107W |
| St. Lawrence R S | 967* | 8500 | 6 | 42N | 107W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Papa Agie River | | | | | |
| Blue Ridge | 9672 | 8150 | 23 | 31N | 101W |
| Christian Lake | 9672 | 8150 | 23 | 30N | 101W |
| Huber Park | 9672 | 10100 | 22 | 31N | 101W |
| Middle Fork | 9672 | 8150 | 24 | 31N | 101W |
| South Fork | 9672 | 8150 | 24 | 31N | 101W |
| St. Lawrence R S | 9672 | 8150 | 24 | 31N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Owl Creek | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Greybull River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Shoshone River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Bear River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
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| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
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| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
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| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | 106* | 9580 | 28 | 44N | 110W |
| Snake River | | | | | |
| Blue Ridge | 9672 | 8150 | 29 | 43N | 101W |
| Christian Lake | 9672 | 8150 | 29 | 43N | 101W |
| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
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| Snake River | | | | | |
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| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
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| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
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| Huber Park | 9672 | 8150 | 29 | 43N | 101W |
| Middle Fork | 9672 | 8150 | 29 | 43N | 101W |
| South Fork | 9672 | 8150 | 29 | 43N | 101W |
| St. Lawrence R S | 9672 | 8150 | 29 | 43N | 101W |
| Tompete Pass | | | | | |

THE FOLLOWING ORGANIZATIONS COOPERATE IN THE WYOMING SNOW SURVEY WORK

STATE

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska ,
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

FEDERAL

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs

PRIVATE

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.